

US Department of Transportation
Federal Aviation Administration

STAR - Standard Terminal Arrival

1. Bearings, headings, courses and radials are listed to the nearest hundredth (e.g. 360.00)
2. Distances are in nautical miles to nearest hundredth (e.g. 00.00)
3. Altitudes are minimum altitudes unless otherwise indicated

(1) Transition Routes

(a) Transition Name	(b) Transition Computer Codes	(c) From RNAV WP / FIX / NAVAID	(d) To RNAV WP / FIX / NAVAID	(e) Mag Course / Distance	(f) MEA	(g) MOCA	(h) MAA	(i) Crossing Altitudes / Fixes
ALEXANDRIA	AEX.WAPPL1	AEX VORTAC	AEX VORTAC					
			BRWCK	234.51/73.99	12000	1800		AT/ABOVE FL240
			WAPPL	233.89/38.76	9000	1600		AT/ABOVE FL220, AT/BELOW FL270
PLANB	PLANB.WAPPL1	PLANB	PLANB					
			ZEBBB	188.78/59.82	12000	2000		
			WAPPL	216.07/30.00	9000	1600		AT/ABOVE FL220, AT/BELOW FL270
SAWMILL	SWB.WAPPL1	SWB VOR/DME	SWB VOR/DME					
			JMIKE	216.68/92.16	12000	1900		AT/ABOVE FL240
			ZEBBB	215.95/12.45	12000	1700		
			WAPPL	216.07/30.00	9000	1600		AT/ABOVE FL220, AT/BELOW FL270
ZEBBB	ZEBBB.WAPPL1	ZEBBB	ZEBBB					
			WAPPL	216.07/30.00	9000	1600		AT/ABOVE FL220, AT/BELOW FL270

(2) Arrival Route Description: FROM WAPPL ON TRACK 249.93/16.03 TO CROSS WLMOR AT OR BELOW FL210 (MEA 9000), THEN ON TRACK 249.84/10.00 TO HUDZY (MEA 6000), THEN ON TRACK 249.71/6.00 TO CROSS CLWSN AT OR ABOVE 12000, AT OR BELOW 14000 AND AT 280 KIAS (MEA 6000), THEN ON TRACK 249.65/13.00 TO CROSS SWWAA AT OR ABOVE 10000, AT OR BELOW 12000 AND AT 250 KIAS (MEA 4000), THEN ON TRACK 191.33/9.16 TO CROSS PUSHN AT OR ABOVE 8000 (MEA 4000).

LANDING RWY 04: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 192.07/2.42 TO CROSS
Continued on block 16...

(3) Procedural Data Notes:

NOTE: RADAR REQUIRED.

NOTE: RNAV 1.

NOTE: DME/DME/IRU OR GPS REQUIRED.

NOTE: NOTE: TURBOJET AND TURBOPROP AIRCRAFT CAPABLE OF 280 KNOTS OR GREATER ONLY.

NOTE: EXPECT RUNWAY ASSIGNMENT FROM HOUSTON TRACON UPON INITIAL CONTACT.

(4) Fixes and/or Holding Patterns: CHART HOLDING AT BRWCK (HOLD NE, LT, 234.51 INBOUND, 20 NM LEGS); CHART HOLDING AT WAPPL (HOLD NE, LT, 232.51 INBOUND, 10 NM LEGS);

(5) Communications: HOUSTON APP CON
ATIS: HOU, EFD

QUALITY
2
CHECKED

(6) Arrival Name WAPPL (RNAV)	(7) Number ONE	(8) STAR Computer Code WAPPL.WAPPL1	(9) Superseded Nr.	(10) Dated	(11) Effective Date 29 MAY 2014
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(12) Airports Served

Airport Name WILLIAM P HOBBY	City/State HOUSTON, TX
Airport Name HOUSTON SOUTHWEST	City/State HOUSTON, TX
Airport Name ELLINGTON	City/State HOUSTON, TX
Airport Name HOUSTON EXECUTIVE	City/State HOUSTON, TX
Airport Name SCHOLES INTERNATIONAL AIRPORT AT GALVESTON	City/State GALVESTON, TX
Airport Name BAYTOWN	City/State BAYTOWN, TX

(13) Lost Communications Procedure:**(14) Remarks:****(15) Additional Flight Data:**

DME/DME ASSESSMENT: SAT (RNP 2.0).
REFERENCE MAGNETIC VARIATION = KHOU 03E/2015

QUALITY
2
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(6) Arrival Name
WAPPL (RNAV)

(7) Number
ONE

(8) STAR Computer Code
WAPPL.WAPPL1

(9) Superseded Nr.

(10) Dated

(11) Effective Date

29 MAY 2014

(16) Continuation:

12.

WEST HOUSTON AIRPORT HOUSTON, TX
TEXAS GULF COAST REGIONAL ANGLETON/ LAKE JACKSON, TX
PEARLAND REGIONAL HOUSTON, TX
SUGAR LAND REGIONAL HOUSTON, TX
CHAMBERS COUNTY ANAHUAC, TX
LA PORTE MUNICIPAL LA PORTE, TX
RWJ AIRPARK BAYTOWN, TX

(2) Arrival Route Description:

PRTH AT OR BELOW 7000 (MEA 4000), THEN ON TRACK 176.51/9.55 TO CROSS SHUUG AT 6000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 222.00/2.00 TO EMARR (MEA 4000), THEN ON TRACK 222.00. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 12L: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 192.07/2.42 TO CROSS PRTH AT OR BELOW 7000 (MEA 4000), THEN ON TRACK 200.29/4.40 TO CROSS HUB VOR/DME AT 6000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 250.96/5.99 TO VILLI (MEA 4000), THEN ON TRACK 310.79/2.80 TO ALLY (MEA 4000), THEN ON TRACK 310.79. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 12R: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 192.07/2.42 TO CROSS PRTH AT OR BELOW 7000 (MEA 4000), THEN ON TRACK 200.29/4.40 TO CROSS HUB VOR/DME AT 6000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 250.96/5.99 TO VILLI (MEA 4000), THEN ON TRACK 310.79/2.80 TO ALLY (MEA 4000), THEN ON TRACK 310.79. EXPECT VECTORS TO FINAL APPROACH COURSE.

Continued on (16) Continuation (2 of #)

(17) Changes:**(18) Reasons for Changes:**

12/16/2013: THIS IS AN UPDATED COPY OF THE FORM DEVELOPED ON 08/01/2013.

1 CHANGED NOTE: NOTE: TURBOJET AND TURBOPROP AIRCRAFT ONLY TO NOTE: TURBOJET AND TURBOPROP AIRCRAFT CAPABLE OF 280 KNOTS OR GREATER ONLY.

(6) Arrival Name WAPPL (RNAV)	(7) Number ONE	(8) STAR Computer Code WAPPL.WAPPL1	(9) Superseded Nr.	(10) Dated	(11) Effective Date 29 MAY 2014
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(16) Continuation (2 of 2):**(2) Arrival Route Description:**

LANDING RWY 17: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 192.07/2.42 TO CROSS PRTH AT OR BELOW 7000 (MEA 4000), THEN ON TRACK 200.29/4.40 TO CROSS HUB VOR/DME AT 6000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 250.96/5.99 TO VILLI (MEA 4000), THEN ON TRACK 310.79/2.80 TO ALLY (MEA 4000), THEN ON TRACK 310.79. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 22: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 174.79/7.61 TO CROSS RTWNG AT 7000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 111.30/4.40 TO MAAH (MEA 4000), THEN ON TRACK 111.30. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 30L: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 192.07/2.42 TO CROSS PRTH AT OR BELOW 7000 (MEA 4000), THEN ON TRACK 126.35/3.00 TO CROSS UBETR AT 6000 (MEA 4000), THEN ON TRACK 125.87. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 30R: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 192.07/2.42 TO CROSS PRTH AT OR BELOW 7000 (MEA 4000), THEN ON TRACK 126.35/3.00 TO CROSS UBETR AT 6000 (MEA 4000), THEN ON TRACK 125.87. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING RWY 35: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 192.07/2.42 TO CROSS PRTH AT OR BELOW 7000 (MEA 4000), THEN ON TRACK 126.35/3.00 TO CROSS UBETR AT 6000 (MEA 4000), THEN ON TRACK 125.87. EXPECT VECTORS TO FINAL APPROACH COURSE.

LANDING AXH, EFD, GLS, HPY, IWS, LBX, LVJ, SGR, TME, T00, T41, 54T ALL RWYS: FROM PUSHN ON TRACK 192.29/6.10 TO CROSS BUGZY AT OR BELOW 10000 (MEA 4000), THEN ON TRACK 174.79/7.61 TO CROSS RTWNG AT 7000 AND AT 210 KIAS (MEA 4000), THEN ON TRACK 174.79. EXPECT VECTORS TO FINAL APPROACH COURSE.

QUALITY
2
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Federal Aviation Administration**
RNAV STAR (Data Record)

(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
En Route Transition									
AEX VORTAC	311524.22N / 0923003.51W	Y		IF					AEX.WAPPL1
BRWCK	303513.63N / 0934221.71W	Y	FB	TF	237.51	73.99	+FL240		
WAPPL	301354.84N / 0941950.33W	Y	FB	TF	236.89	38.76	+FL220, -FL270	280K	
En Route Transition									
PLANB	313559.26N / 0934351.54W	Y		IF					PLANB.WAPPL1
ZEBBB	303717.21N / 0935800.95W	Y	FB	TF	191.78	59.82			
WAPPL	301354.84N / 0941950.33W	Y	FB	TF	219.07	30.00	+FL220, -FL270	280K	
En Route Transition									
SWB VOR/DME	315823.50N / 0924037.52W	Y		IF					SWB.WAPPL1
JMIKE	304700.00N / 0934856.45W	Y	FB	TF	219.68	92.16	+FL240		
ZEBBB	303717.21N / 0935800.95W	Y	FB	TF	218.95	12.45			
WAPPL	301354.84N / 0941950.33W	Y	FB	TF	219.07	30.00	+FL220, -FL270	280K	
(11) Arrival Name WAPPL (RNAV)	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr.	(15) Dated	(16) Effective Date 29 MAY 2014				

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3
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(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS	
En Route Transition										
ZEBBB	303717.21N / 0935800.95W	Y		IF					ZEBBB.WAPPL1	
WAPPL	301354.84N / 0941950.33W	Y	FB	TF	219.07	30.00	+FL220, -FL270	280K		
Common Route										
WAPPL	301354.84N / 0941950.33W	Y		IF			+FL220, -FL270	280K	WAPPL.WAPPL1	
WLMOR	300910.71N / 0943730.73W	Y	FB	TF	252.93	16.03	-FL210			
HUDZY	300612.81N / 0944831.66W	Y	FB	TF	252.84	10.00				
CLWSN	300425.38N / 0945507.82W	Y	FB	TF	252.71	06.00	+12000, -14000	280K		
SWWAA	300031.45N / 0950925.36W	Y	FB	TF	252.65	13.00	+10000, -12000	250K		
PUSHN	295137.79N / 0951201.76W	Y	FB	TF	194.33	09.16	+8000			
Runway Transition										
PUSHN	295137.79N / 0951201.76W	Y		IF			+8000			
BUGZY	294544.12N / 0951352.56W	Y	FB	TF	195.29	06.10	-10000			
PRTCH	294323.54N / 0951435.92W	Y	FB	TF	195.07	02.42	-7000			
(11) Arrival Name WAPPL (RNAV)		(12) Number ONE		(13) STAR Computer Code WAPPL.WAPPL1			(14) Superseded Nr.		(15) Dated	(16) Effective Date 29 MAY 2014

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SHUUG	293349.40N / 0951430.28W	Y	FB	TF	179.51	09.55	6000	210K	
EMARR	293224.33N / 0951607.56W	Y	FO	TF	225.00	02.00			
KHOU:RWY 04				FM	225.00				
Runway Transition									
PUSHN	295137.79N / 0951201.76W	Y		IF			+8000		
BUGZY	294544.12N / 0951352.56W	Y	FB	TF	195.29	06.10	-10000		
PRTCH	294323.54N / 0951435.92W	Y	FB	TF	195.07	02.42	-7000		
HUB VOR/DME	293920.22N / 0951635.83W	Y	FB	TF	203.29	04.40	6000	210K	
VILLI	293740.49N / 0952312.28W	Y	FB	TF	253.96	05.99			
ALLLY	293937.02N / 0952531.48W	Y	FO	TF	313.79	02.80			
KHOU:RWY 12L/R				FM	313.79				
Runway Transition									
PUSHN	295137.79N / 0951201.76W	Y		IF			+8000		
BUGZY	294544.12N / 0951352.56W	Y	FB	TF	195.29	06.10	-10000		
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(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS	
PRTCH	294323.54N / 0951435.92W	Y	FB	TF	195.07	02.42	-7000			
HUB VOR/DME	293920.22N / 0951635.83W	Y	FB	TF	203.29	04.40	6000	210K		
VILLI	293740.49N / 0952312.28W	Y	FB	TF	253.96	05.99				
ALLLY	293937.02N / 0952531.48W	Y	FO	TF	313.79	02.80				
KHOU:RWY 17				FM	313.79					
Runway Transition										
PUSHN	295137.79N / 0951201.76W	Y		IF			+8000			
BUGZY	294544.12N / 0951352.56W	Y	FB	TF	195.29	06.10	-10000			
RTWNG	293806.48N / 0951332.39W	Y	FB	TF	177.79	07.61	7000	210K		
MAAHH	293617.42N / 0950856.16W	Y	FO	TF	114.30	04.40				
KHOU:RWY 22				FM	114.30					
Runway Transition										
PUSHN	295137.79N / 0951201.76W	Y		IF			+8000			
BUGZY	294544.12N / 0951352.56W	Y	FB	TF	195.29	06.10	-10000			
(11) Arrival Name WAPPL (RNAV)		(12) Number ONE		(13) STAR Computer Code WAPPL.WAPPL1			(14) Superseded Nr.		(15) Dated	(16) Effective Date 29 MAY 2014

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(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS
PRTCH	294323.54N / 0951435.92W	Y	FB	TF	195.07	02.42	-7000		
UBETR	294129.09N / 0951156.12W	Y	FO	TF	129.35	03.00	6000		
KHOU:RWY 30L/R				FM	128.87				
Runway Transition									
PUSHN	295137.79N / 0951201.76W	Y		IF			+8000		
BUGZY	294544.12N / 0951352.56W	Y	FB	TF	195.29	06.10	-10000		
PRTCH	294323.54N / 0951435.92W	Y	FB	TF	195.07	02.42	-7000		
UBETR	294129.09N / 0951156.12W	Y	FO	TF	129.35	03.00	6000		
KHOU:RWY 35				FM	128.87				
Runway Transition									
PUSHN	295137.79N / 0951201.76W	Y		IF			+8000		
BUGZY	294544.12N / 0951352.56W	Y	FB	TF	195.29	06.10	-10000		
RTWNG	293806.48N / 0951332.39W	Y	FO	TF	177.79	07.61	7000	210K	
KAXH, KEFD, KGLS KHPY, KIWS, KLBX				FM	177.79				
(11) Arrival Name WAPPL (RNAV)	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr.	(15) Dated	(16) Effective Date 29 MAY 2014				

 QUALITY
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(1) FIX/NAVAID	(2) LAT/LONG	(3) C	(4) FO/FB	(5) LEG	(6) TC	(7) DIST	(8) ALTITUDE	(9) SPEED	(10) REMARKS	
Runway Transition										
PUSHN	295137.79N / 0951201.76W	Y		IF			+8000			
BUGZY	294544.12N / 0951352.56W	Y	FB	TF	195.29	06.10	-10000			
RTWNG	293806.48N / 0951332.39W	Y	FO	TF	177.79	07.61	7000	210K		
KLVJ, KSGR,KTME, KT00, KT41, K54T				FM	177.79					
(11) Arrival Name WAPPL (RNAV)		(12) Number ONE		(13) STAR Computer Code WAPPL.WAPPL1			(14) Superseded Nr.		(15) Dated	(16) Effective Date 29 MAY 2014

STAR (Data Record)

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP 54T K4EWAPPL14AEX	010AEX	K4D 0V	IF							18000			
SUSAP 54T K4EWAPPL14AEX	020BRWCKK4EA0E	H 010TF						+	FL240				
SUSAP 54T K4EWAPPL14AEX	030WAPPLK4EA0EE	H 010TF						B	FL270FL220		280		
SUSAP 54T K4EWAPPL14PLANB	010PLANBK4EA0E	IF								18000			
SUSAP 54T K4EWAPPL14PLANB	020ZEBBKK4EA0E	010TF											
SUSAP 54T K4EWAPPL14PLANB	030WAPPLK4EA0EE	H 010TF						B	FL270FL220		280		
SUSAP 54T K4EWAPPL14SWB	010SWB	K4D 0V	IF							18000			
SUSAP 54T K4EWAPPL14SWB	020JMIKX4EA0E	010TF						+	FL240				
SUSAP 54T K4EWAPPL14SWB	030ZEBBKK4EA0E	010TF											
SUSAP 54T K4EWAPPL14SWB	040WAPPLK4EA0EE	H 010TF						B	FL270FL220		280		

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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STAR (Data Record)

SUSAP 54T K4EWAPPL14ZE3BB	010ZE3BBK4EA0E	IF	18000
SUSAP 54T K4EWAPPL14ZE3BB	020WAPPLK4EA0EE	H 010TF	B FL270FL220 280
SUSAP 54T K4EWAPPL15ALL	010WAPPLK4EA0E	H IF	B FL270FL22018000280
SUSAP 54T K4EWAPPL15ALL	020WLMORK4EA0E	010TF	- FL210
SUSAP 54T K4EWAPPL15ALL	030HUDZYK4EA0E	010TF	
SUSAP 54T K4EWAPPL15ALL	040CLWSNK4EA0E	010TF	B 1400012000 280
SUSAP 54T K4EWAPPL15ALL	050SWWAAK4EA0E	010TF	B 1200010000 250
SUSAP 54T K4EWAPPL15ALL	060PUSHNK4EA0E	010TF	+ 08000
SUSAP 54T K4EWAPPL15ALL	070BUGZYK4EA0E	010TF	- 10000
SUSAP 54T K4EWAPPL15ALL	080RTWNGK4EA0EY	010TF	07000 210
SUSAP 54T K4EWAPPL15ALL	090RTWNGK4EA0EE	FM AEX K4 233217141748 D	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP 54T K4GRW08	0050350840 N29454154W094511600-0100 -0018200030000050040D												
SUSAP 54T K4GRW14	0035321426 N29455881W094511072-0100 -0017200033000050100D												
SUSAP 54T K4GRW26	0050352640 N29454223W094502954+0100 -0019300026033940040R												
SUSAP 54T K4GRW32	0035323226 N29452931W094504922+0100 -0019100028000040100R												

(11)
Arrival Name
WAPPL RNAV

(12)
Number
ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8()			

POINT DATA

WAYPOINT

LAT IN SECS

LONG IN SECS

LAT IN MINS

LONG IN MINS

AEX	N311524.22	W0923003.51	N3115.404	W09230.059
SWB	N315823.50	W0924037.52	N3158.392	W09240.625
BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

(11)
Arrival Name
WAPPL RNAV

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ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
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(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

RW08	N294541.54	W0945116.00	N2945.692	W09451.267
RW14	N294558.81	W0945110.72	N2945.980	W09451.179
RW26	N294542.23	W0945029.54	N2945.704	W09450.492
RW32	N294529.31	W0945049.22	N2945.489	W09450.820

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW08	00030	50
RW14	00033	50
RW26	00026	40
RW32	00028	40

(11)
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC PACKET - 424-18 - STAR

	1	2	3	4	5	6	7	8	9	0	1	2	3
NAVAID	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAD	AEX	K4011610VTHA	N31152422W092300351			N31152422W092300351	E0030000802			NARALEXANDRIA			
SUSAD	SWB	K4011375VDHW	N31582350W092403752			N31582350W092403752	E0020001642			NARSAWMILL			

	1	2	3	4	5	6	7	8	9	0	1	2	3
WP	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSABEAENRT	BRWCK	K40	C	N30351363W093422171				E0019	NAR			BRWCK	
SUSABEAENRT	BUGZY	K40	W	N29454412W095135256				E0028	NAR			BUGZY	
SUSABEAENRT	CLWSN	K40	C	N30042538W094550782				E0026	NAR			CLWSN	
SUSABEAENRT	HUDZY	K40	C	N30061281W094483166				E0026	NAR			HUDZY	
SUSABEAENRT	JMIKE	K40	W	N30470000W093485645				E0019	NAR			JMIKE	
SUSABEAENRT	PLANB	K40	W	H N31355926W093435154				E0018	NAR			PLANB	
SUSABEAENRT	PUSHN	K40	W	N29513779W095120176				E0028	NAR			PUSHN	
SUSABEAENRT	RTWNG	K40	W	N29380648W095133239				E0028	NAR			RTWNG	
SUSABEAENRT	SWWAA	K40	C	N30003145W095092536				E0028	NAR			SWWAA	
SUSABEAENRT	WAPPL	K40	C	N30135484W094195033				E0023	NAR			WAPPL	
SUSABEAENRT	WLMOR	K40	W	N30091071W094373073				E0025	NAR			WLMOR	
SUSABEAENRT	ZEBBB	K40	W	H N30371721W093580095				E0020	NAR			ZEBBB	

	1	2	3	4	5	6	7	8	9	0	1	2	3
AIRPORT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KAXHK4AAXH	0	050YHN29302210W095283690E005000069			1800018000C		MNAR		HOUSTON-SOUTHWEST			

	1	2	3	4	5	6	7	8	9	0	1	2	3
SEGMENT	1234567890123456789012345678901234567890123456789012345678901234567890123456789012												
SUSAP	KAXHK4EWAPPL14AEX	010AEX	K4D 0V	IF						18000			
SUSAP	KAXHK4EWAPPL14AEX	020BRWCKK4EA0E	H 010TF										
SUSAP	KAXHK4EWAPPL14AEX	030WAPPLK4EA0EE	H 010TF										
SUSAP	KAXHK4EWAPPL14PLANB	010PLANBK4EA0E	IF							18000			
SUSAP	KAXHK4EWAPPL14PLANB	020ZEBBBK4EA0E	010TF										
SUSAP	KAXHK4EWAPPL14PLANB	030WAPPLK4EA0EE	H 010TF										
SUSAP	KAXHK4EWAPPL14SWB	010SWB	K4D 0V	IF						18000			
SUSAP	KAXHK4EWAPPL14SWB	020JMIKEK4EA0E	010TF										
SUSAP	KAXHK4EWAPPL14SWB	030ZEBBBK4EA0E	010TF										
SUSAP	KAXHK4EWAPPL14SWB	040WAPPLK4EA0EE	H 010TF										

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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8 ()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

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29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

RW09	N293023.91	W0952905.10	N2930.399	W09529.085
RW27	N293020.25	W0952808.65	N2930.338	W09528.144

RUNWAY DATA

	THRESHOLD	
RWY	ELEVATION	TCH
RW09	00069	47
RW27	00066	45

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WAPPL.WAPPL1

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Effective Date**
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

[illegible][illegible][illegible]

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP KEFDK4EWAPPL14AEX	010AEX	K4D 0V	IF						18000				
SUSAP KEFDK4EWAPPL14AEX	020BRWCKK4EA0E	H 010TF						+ FL240					
SUSAP KEFDK4EWAPPL14AEX	030WAPPLK4EA0EE	H 010TF					B FL270FL220		280				
SUSAP KEFDK4EWAPPL14PLANB	010PLANBK4EA0E	IF						18000					
SUSAP KEFDK4EWAPPL14PLANB	020ZEBBKK4EA0E	010TF											
SUSAP KEFDK4EWAPPL14PLANB	030WAPPLK4EA0EE	H 010TF					B FL270FL220		280				
SUSAP KEFDK4EWAPPL14SWB	010SWB	K4D 0V	IF					18000					
SUSAP KEFDK4EWAPPL14SWB	020JMIKEK4EA0E	010TF					+ FL240						
SUSAP KEFDK4EWAPPL14SWB	030ZEBBKK4EA0E	010TF											
SUSAP KEFDK4EWAPPL14SWB	040WAPPLK4EA0EE	H 010TF					B FL270FL220		280				

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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US Department of Transportation Federal Aviation Administration				STAR (Data Record)								
ARINC SUMMARY - 424-18 - STAR												
ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8 ()			
POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS							
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059							
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625							
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362							
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876							
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130							
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528							
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941							
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859							
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029							
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540							
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423							
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839							
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512							
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016							
(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014							

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

RW04	N293553.43	W0950946.76	N2935.891	W09509.779
RW17L	N293706.49	W0950922.35	N2937.108	W09509.373
RW17R	N293705.99	W0950951.82	N2937.100	W09509.864
RW22	N293650.54	W0950843.97	N2936.842	W09508.733
RW35L	N293536.91	W0950949.75	N2935.615	W09509.829
RW35R	N293620.88	W0950921.30	N2936.348	W09509.355

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW04	00026	50
RW17L	00031	50
RW17R	00032	51
RW22	00030	54
RW35L	00028	54
RW35R	00030	50

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[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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STAR (Data Record)

SUSAP	KGLSK4EWAPPL14ZEBBB	010ZE3BBK4EA0E	IF				18000
SUSAP	KGLSK4EWAPPL14ZEBBB	020WAPPLK4EA0EE	H 010TF		B FL270FL220		280
SUSAP	KGLSK4EWAPPL15ALL	010WAPPLK4EA0E	H IF		B FL270FL22018000280		
SUSAP	KGLSK4EWAPPL15ALL	020WLMORK4EA0E	010TF		- FL210		
SUSAP	KGLSK4EWAPPL15ALL	030HUDZYK4EA0E	010TF				
SUSAP	KGLSK4EWAPPL15ALL	040CLWSNK4EA0E	010TF		B 1400012000		280
SUSAP	KGLSK4EWAPPL15ALL	050SWWAAK4EA0E	010TF		B 1200010000		250
SUSAP	KGLSK4EWAPPL15ALL	060PUSHNK4EA0E	010TF		+ 08000		
SUSAP	KGLSK4EWAPPL15ALL	070BUGZYK4EA0E	010TF		- 10000		
SUSAP	KGLSK4EWAPPL15ALL	080RTWNGK4EA0EY	010TF		07000		210
SUSAP	KGLSK4EWAPPL15ALL	090RTWNGK4EA0EE	FM AEX K4	233217141748	D		

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

	RW14	N291618.18	W0945203.53	N2916.303	W09452.059
	RW18	N291624.61	W0945132.65	N2916.410	W09451.544
	RW32	N291532.60	W0945120.09	N2915.543	W09451.335
	RW36	N291525.21	W0945133.67	N2915.420	W09451.561
RUNWAY DATA		THRESHOLD			
	RWY	ELEVATION	TCH		
	RW14	00005	53		
	RW18	00006	44		
	RW32	00005	46		
	RW36	00005	45		

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[illegible]

**US Department of Transportation
Federal Aviation Administration**

STAR (Data Record)

SUSAP KHOUK4EWAPPL14AEX	030WAPPLK4EA0EE	H	010TF	B	FL270FL220	280
SUSAP KHOUK4EWAPPL14PLANB	010PLANBK4EA0E		IF			18000
SUSAP KHOUK4EWAPPL14PLANB	020ZEBBK4EA0E		010TF			
SUSAP KHOUK4EWAPPL14PLANB	030WAPPLK4EA0EE	H	010TF	B	FL270FL220	280
SUSAP KHOUK4EWAPPL14SWB	010SWB K4D 0V		IF			18000
SUSAP KHOUK4EWAPPL14SWB	020JMIKEK4EA0E		010TF	+	FL240	
SUSAP KHOUK4EWAPPL14SWB	030ZEBBK4EA0E		010TF			
SUSAP KHOUK4EWAPPL14SWB	040WAPPLK4EA0EE	H	010TF	B	FL270FL220	280
SUSAP KHOUK4EWAPPL14ZEBBB	010ZEBBK4EA0E		IF			18000
SUSAP KHOUK4EWAPPL14ZEBBB	020WAPPLK4EA0EE	H	010TF	B	FL270FL220	280
SUSAP KHOUK4EWAPPL15	010WAPPLK4EA0E	H	IF	B	FL270FL220	18000280
SUSAP KHOUK4EWAPPL15	020WLMORK4EA0E		010TF	-	FL210	
SUSAP KHOUK4EWAPPL15	030HUDZYK4EA0E		010TF			
SUSAP KHOUK4EWAPPL15	040CLWSNK4EA0E		010TF	B	1400012000	280
SUSAP KHOUK4EWAPPL15	050SWAAK4EA0E		010TF	B	1200010000	250
SUSAP KHOUK4EWAPPL15	060PUSHNK4EA0EE		010TF	+	08000	
SUSAP KHOUK4EWAPPL16RW04	010PUSHNK4EA0E		IF	-	08000	18000
SUSAP KHOUK4EWAPPL16RW04	020BUGZYK4EA0E		010TF	-	10000	
SUSAP KHOUK4EWAPPL16RW04	030PRTCHK4EA0E		010TF	-	07000	
SUSAP KHOUK4EWAPPL16RW04	040SHUUGK4EA0E		010TF		06000	210
SUSAP KHOUK4EWAPPL16RW04	050EMARRK4EA0EY		010TF			
SUSAP KHOUK4EWAPPL16RW04	060EMARRK4EA0EE		FM AEX K4	232117662220	D	
SUSAP KHOUK4EWAPPL16RW12B	010PUSHNK4EA0E		IF	+	08000	18000
SUSAP KHOUK4EWAPPL16RW12B	020BUGZYK4EA0E		010TF	-	10000	
SUSAP KHOUK4EWAPPL16RW12B	030PRTCHK4EA0E		010TF	-	07000	
SUSAP KHOUK4EWAPPL16RW12B	040HUB K4D 0V		010TF		06000	210
SUSAP KHOUK4EWAPPL16RW12B	050VILLIK4EA0E		010TF			
SUSAP KHOUK4EWAPPL16RW12B	060ALLLYK4EA0EY		010TF			
SUSAP KHOUK4EWAPPL16RW12B	070ALLLYK4EA0EE		FM AEX K4	235517923108	D	
SUSAP KHOUK4EWAPPL16RW17	010PUSHNK4EA0E		IF	+	08000	18000
SUSAP KHOUK4EWAPPL16RW17	020BUGZYK4EA0E		010TF	-	10000	
SUSAP KHOUK4EWAPPL16RW17	030PRTCHK4EA0E		010TF	-	07000	
SUSAP KHOUK4EWAPPL16RW17	040HUB K4D 0V		010TF		06000	210
SUSAP KHOUK4EWAPPL16RW17	050VILLIK4EA0E		010TF			
SUSAP KHOUK4EWAPPL16RW17	060ALLLYK4EA0EY		010TF			
SUSAP KHOUK4EWAPPL16RW17	070ALLLYK4EA0EE		FM AEX K4	235517923108	D	
SUSAP KHOUK4EWAPPL16RW22	010PUSHNK4EA0E		IF	+	08000	18000
SUSAP KHOUK4EWAPPL16RW22	020BUGZYK4EA0E		010TF	-	10000	
SUSAP KHOUK4EWAPPL16RW22	030RTWNGK4EA0E		010TF		07000	210
SUSAP KHOUK4EWAPPL16RW22	040MAAHHK4EA0EY		010TF			
SUSAP KHOUK4EWAPPL16RW22	050MAAHHK4EA0EE		FM AEX K4	231916921113	D	
SUSAP KHOUK4EWAPPL16RW30B	010PUSHNK4EA0E		IF	+	08000	18000
SUSAP KHOUK4EWAPPL16RW30B	020BUGZYK4EA0E		010TF	-	10000	

(11)
Arrival Name
WAPPL RNAV

(12)
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(13)
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WAPPL.WAPPL1

(14)
Superseded Nr.
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(15)
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(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**

STAR (Data Record)

SUSAP	KHOUK4EWAPPL16RW30B	030PRTCHK4EA0E	010TF			-	07000	
SUSAP	KHOUK4EWAPPL16RW30B	040UBETRK4EA0EY	010TF				06000	
SUSAP	KHOUK4EWAPPL16RW30B	050UBETRK4EA0EE		FM AEX K4	233916841259	D		
SUSAP	KHOUK4EWAPPL16RW35	010PUSHNK4EA0E		IF		+	08000	18000
SUSAP	KHOUK4EWAPPL16RW35	020BUGZYK4EA0E	010TF			-	10000	
SUSAP	KHOUK4EWAPPL16RW35	030PRTCHK4EA0E	010TF			-	07000	
SUSAP	KHOUK4EWAPPL16RW35	040UBETRK4EA0EY	010TF				06000	
SUSAP	KHOUK4EWAPPL16RW35	050UBETRK4EA0EE		FM AEX K4	233916841259	D		

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
		WAPPL	010		IF		FB				BT FL270FL220	AT 280
		WLMOR	020		TF		FB	1.0			AB FL210	
		HUDZY	030		TF		FB	1.0				
		CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
		SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
		PUSHN	060		TF		FB	1.0			AA 08000	
	RW04	PUSHN	010		IF		FB				AA 08000	
	RW04	BUGZY	020		TF		FB	1.0			AB 10000	
	RW04	PRTCH	030		TF		FB	1.0			AB 07000	
	RW04	SHUUG	040		TF		FB	1.0			AT 06000	AT 210
	RW04	EMARR	050		TF		FO	1.0				
	RW04	EMARR	060		FM		FB		222.0 ()			
	RW12B	PUSHN	010		IF		FB				AA 08000	
	RW12B	BUGZY	020		TF		FB	1.0			AB 10000	
	RW12B	PRTCH	030		TF		FB	1.0			AB 07000	
	RW12B	HUB	040		TF		FB	1.0			AT 06000	AT 210
	RW12B	VILLI	050		TF		FB	1.0				
	RW12B	ALLLY	060		TF		FO	1.0				
	RW12B	ALLLY	070		FM		FB		310.8 ()			
	RW17	PUSHN	010		IF		FB				AA 08000	
	RW17	BUGZY	020		TF		FB	1.0			AB 10000	
	RW17	PRTCH	030		TF		FB	1.0			AB 07000	
	RW17	HUB	040		TF		FB	1.0			AT 06000	AT 210
	RW17	VILLI	050		TF		FB	1.0				
	RW17	ALLLY	060		TF		FO	1.0				
	RW17	ALLLY	070		FM		FB		310.8 ()			

(11)
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(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

RW22	PUSHN	010	IF	FB		AA 08000	
RW22	BUGZY	020	TF	FB	1.0	AB 10000	
RW22	RTWNG	030	TF	FB	1.0	AT 07000	AT 210
RW22	MAAHH	040	TF	FO	1.0		
RW22	MAAHH	050	FM	FB			111.3()
RW30B	PUSHN	010	IF	FB		AA 08000	
RW30B	BUGZY	020	TF	FB	1.0	AB 10000	
RW30B	PRTCH	030	TF	FB	1.0	AB 07000	
RW30B	UBETR	040	TF	FO	1.0	AT 06000	
RW30B	UBETR	050	FM	FB			125.9()
RW35	PUSHN	010	IF	FB		AA 08000	
RW35	BUGZY	020	TF	FB	1.0	AB 10000	
RW35	PRTCH	030	TF	FB	1.0	AB 07000	
RW35	UBETR	040	TF	FO	1.0	AT 06000	
RW35	UBETR	050	FM	FB			125.9()

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	HUB	N293920.22	W0951635.83	N2939.337	W09516.597
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625
	ALLLY	N293937.02	W0952531.48	N2939.617	W09525.525
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	EMARR	N293224.33	W0951607.56	N2932.406	W09516.126
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	MAAHH	N293617.42	W0950856.16	N2936.290	W09508.936
	PLANE	N313559.26	W0934351.54	N3135.988	W09343.859
	PRTCH	N294323.54	W0951435.92	N2943.392	W09514.599
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SHUUG	N293349.40	W0951430.28	N2933.823	W09514.505
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	UBETR	N294129.09	W0951156.12	N2941.485	W09511.935
	VILLI	N293740.49	W0952312.28	N2937.675	W09523.205
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016
	RW04	N293820.80	W0951707.16	N2938.347	W09517.119
	RW12L	N293909.38	W0951701.94	N2939.156	W09517.032
	RW12R	N293856.26	W0951659.41	N2938.938	W09516.990

(11)
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WAPPL RNAV

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WAPPL.WAPPL1

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(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

RW17	N293908.50	W0951704.80	N2939.142	W09517.080
RW22	N293914.97	W0951607.36	N2939.250	W09516.123
RW30L	N293811.13	W0951605.82	N2938.186	W09516.097
RW30R	N293834.02	W0951619.93	N2938.567	W09516.332
RW35	N293809.12	W0951703.54	N2938.152	W09517.059

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW04	00042	58
RW12L	00045	60
RW12R	00046	49
RW17	00045	40
RW22	00039	52
RW30L	00042	58
RW30R	00040	50
RW35	00043	41

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WAPPL.WAPPL1

(14)
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(16)
Effective Date
29 MAY 2014

STAR (Data Record)

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP	KHPYK4EWAPPL14AEX	010AEX	K4D 0V	IF					18000				
SUSAP	KHPYK4EWAPPL14AEX	020BRWCKK4EA0E	H	010TF				+ FL240					
SUSAP	KHPYK4EWAPPL14AEX	030WAPPLK4EA0EE	H	010TF				B FL270FL220	280				
SUSAP	KHPYK4EWAPPL14PLANB	010PLANBK4EA0E		IF					18000				
SUSAP	KHPYK4EWAPPL14PLANB	020ZEBBKK4EA0E		010TF									
SUSAP	KHPYK4EWAPPL14PLANB	030WAPPLK4EA0EE	H	010TF				B FL270FL220	280				
SUSAP	KHPYK4EWAPPL14SWB	010SWB	K4D 0V	IF					18000				
SUSAP	KHPYK4EWAPPL14SWB	020JMIKK4EA0E		010TF				+ FL240					
SUSAP	KHPYK4EWAPPL14SWB	030ZEBBKK4EA0E		010TF									
SUSAP	KHPYK4EWAPPL14SWB	040WAPPLK4EA0EE	H	010TF				B FL270FL220	280				

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8()			

POINT DATA

WAYPOINT

LAT IN SECS

LONG IN SECS

LAT IN MINS

LONG IN MINS

AEX	N311524.22	W0923003.51	N3115.404	W09230.059
SWB	N315823.50	W0924037.52	N3158.392	W09240.625
BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

(11)
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WAPPL RNAV

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WAPPL.WAPPL1

(14)
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(15)
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(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration****STAR (Data Record)**

RW14	N294720.80	W0945719.10	N2947.347	W09457.318
RW32	N294658.52	W0945659.68	N2946.975	W09456.995

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW14	00032	40
RW32	00028	40

(11)
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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8()			

POINT DATA

WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
AEX	N311524.22	W0923003.51	N3115.404	W09230.059
SWB	N315823.50	W0924037.52	N3158.392	W09240.625
BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

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(14)
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(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

	RW15	N294923.17	W0954030.97	N2949.386	W09540.516
	RW33	N294847.80	W0954011.78	N2948.797	W09540.196
RUNWAY DATA					
	RWY	THRESHOLD ELEVATION	TCH		
	RW15	00111	45		
	RW33	00109	45		

**(11)
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**(15)
Dated**

**(16)
Effective Date**
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**

STAR (Data Record)

ARINC PACKET - 424-18 - STAR

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(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8 ()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

(11)
Arrival Name
WAPPL RNAV

(12)
Number
ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration****STAR (Data Record)**

RW17	N290705.76	W0952743.59	N2907.096	W09527.727
RW35	N290556.47	W0952743.49	N2905.941	W09527.725

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17	00025	52
RW35	00024	50

(11)
Arrival Name
WAPPL RNAV

(12)
Number
ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
29 MAY 2014

STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

(11)
Arrival Name
WAPPL RNAV

(12)
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ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

	RW14	N293134.05	W0951445.86	N2931.568	W09514.764
	RW32	N293059.22	W0951417.63	N2930.987	W09514.294
RUNWAY DATA					
	RWY	THRESHOLD ELEVATION	TCH		
	RW14	00044	50		
	RW32	00039	40		

**(11)
Arrival Name**
WAPPL RNAV

**(12)
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**(13)
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WAPPL.WAPPL1

**(14)
Superseded Nr.**
NONE

**(15)
Dated**

**(16)
Effective Date**
29 MAY 2014

STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/PB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

(11)
Arrival Name
WAPPL RNAV

(12)
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ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration****STAR (Data Record)**

RW17	N293755.81	W0953926.90	N2937.930	W09539.448
RW35	N293700.21	W0953921.64	N2937.004	W09539.361

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW17	00082	52
RW35	00075	36

(11)
Arrival Name
WAPPL RNAV

(12)
Number
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(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
29 MAY 2014

STAR (Data Record)

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP T00	K4EWAPPL14AEX	010AEX	K4D 0V	IF						18000			
SUSAP T00	K4EWAPPL14AEX	020BRWCKK4EA0E	H	010TF				+	FL240				
SUSAP T00	K4EWAPPL14AEX	030WAPPLK4EA0EE	H	010TF				B	FL270FL220		280		
SUSAP T00	K4EWAPPL14PLANE	010PLANBK4EA0E		IF						18000			
SUSAP T00	K4EWAPPL14PLANE	020ZEBBKK4EA0E		010TF									
SUSAP T00	K4EWAPPL14PLANE	030WAPPLK4EA0EE	H	010TF				B	FL270FL220		280		
SUSAP T00	K4EWAPPL14SWB	010SWB	K4D 0V	IF						18000			
SUSAP T00	K4EWAPPL14SWB	020JMIKEK4EA0E		010TF				+	FL240				
SUSAP T00	K4EWAPPL14SWB	030ZEBBKK4EA0E		010TF									
SUSAP T00	K4EWAPPL14SWB	040WAPPLK4EA0EE	H	010TF				B	FL270FL220		280		

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

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SUSAP T00 K4EWAPPL14ZEBBB 010ZE BBBK4EA0E IF 18000
SUSAP T00 K4EWAPPL14ZEBBB 020WAPPLK4EA0EE H 010TF B FL270FL220 280
SUSAP T00 K4EWAPPL15ALL 010WAPPLK4EA0E H IF B FL270FL22018000280
SUSAP T00 K4EWAPPL15ALL 020WLMORK4EA0E 010TF - FL210
SUSAP T00 K4EWAPPL15ALL 030HUDZYK4EA0E 010TF
SUSAP T00 K4EWAPPL15ALL 040CLWSNK4EA0E 010TF B 1400012000 280
SUSAP T00 K4EWAPPL15ALL 050SWWAAK4EA0E 010TF B 1200010000 250
SUSAP T00 K4EWAPPL15ALL 060PUSHNK4EA0E 010TF + 08000
SUSAP T00 K4EWAPPL15ALL 070BUGZYK4EA0E 010TF - 10000
SUSAP T00 K4EWAPPL15ALL 080RTWNGK4EA0EY 010TF 07000 210
SUSAP T00 K4EWAPPL15ALL 090RTWNGK4EA0EE FM AEX K4 233217141748 D

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      1      2      3      4      5      6      7      8      9      0      1      2      3
RUNWAY 1234567890123456789012345678901234567890123456789012345678901234567890123456789012
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SUSAP T00 K4GRW12 0030051237 N29462184W094395796+0000 -0021100020000040060R
SUSAP T00 K4GRW30 0030053037 N29460323W094393137+0000 -0021100020000050060D

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(11)
Arrival Name
WAPPL RNAV

(12)
Number
ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

(11)
Arrival Name
WAPPL RNAV

(12)
Number
ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
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(16)
Effective Date
29 MAY 2014

US Department of Transportation Federal Aviation Administration			STAR (Data Record)		
	RW12	N294621.84	W0943957.96	N2946.364	W09439.966
	RW30	N294603.23	W0943931.37	N2946.054	W09439.523
RUNWAY DATA	RWY	THRESHOLD ELEVATION	TCH		
	RW12	00020	40		
	RW30	00020	50		
(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014

STAR (Data Record)

SEGMENT	1	2	3	4	5	6	7	8	9	0	1	2	3
SUSAP T41	K4EWAPPL14AEX	010AEX	K4D 0V	IF					18000				
SUSAP T41	K4EWAPPL14AEX	020BRWCKK4EA0E	H 010TF					+ FL240					
SUSAP T41	K4EWAPPL14AEX	030WAPPLK4EA0EE	H 010TF					B FL270FL220	280				
SUSAP T41	K4EWAPPL14PLANB	010PLANBK4EA0E	IF					18000					
SUSAP T41	K4EWAPPL14PLANB	020ZEBBBK4EA0E	010TF										
SUSAP T41	K4EWAPPL14PLANB	030WAPPLK4EA0EE	H 010TF					B FL270FL220	280				
SUSAP T41	K4EWAPPL14SWB	010SWB	K4D 0V	IF				18000					
SUSAP T41	K4EWAPPL14SWB	020JMIKEK4EA0E	010TF					+ FL240					
SUSAP T41	K4EWAPPL14SWB	030ZEBBBK4EA0E	010TF										
SUSAP T41	K4EWAPPL14SWB	040WAPPLK4EA0EE	H 010TF					B FL270FL220	280				

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

SUSAP T41 K4EWAPPL14ZEBBB	010ZEBSBK4EA0E	IF			18000
SUSAP T41 K4EWAPPL14ZEBBB	020WAPPLK4EA0EE	H 010TF		B FL270FL220	280
SUSAP T41 K4EWAPPL15ALL	010WAPPLK4EA0E	H IF		B FL270FL22018000280	
SUSAP T41 K4EWAPPL15ALL	020WLMORK4EA0E	010TF		- FL210	
SUSAP T41 K4EWAPPL15ALL	030HUDZYK4EA0E	010TF			
SUSAP T41 K4EWAPPL15ALL	040CLWSNK4EA0E	010TF		B 1400012000	280
SUSAP T41 K4EWAPPL15ALL	050SWWAAK4EA0E	010TF		B 1200010000	250
SUSAP T41 K4EWAPPL15ALL	060PUSHNK4EA0E	010TF		+ 08000	
SUSAP T41 K4EWAPPL15ALL	070BUGZYK4EA0E	010TF		- 10000	
SUSAP T41 K4EWAPPL15ALL	080RTWNGK4EA0EY	010TF		07000	210
SUSAP T41 K4EWAPPL15ALL	090RTWNGK4EA0EE	FM AEX K4	233217141748	D	

	1	2	3	4	5	6	7	8	9	0	1	2	3
RUNWAY	12345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012												

SUSAP T41 K4GRW05	0029980463	N29400036W095040390+0000	-0019900023000050075D										
SUSAP T41 K4GRW12	0041651212	N29402007W095040882+0000	-0019700025019045075V										
SUSAP T41 K4GRW23	0029982264	N29401890W095033736+0000	-0020000024000050075D										
SUSAP T41 K4GRW30	0041653012	N29395919W095033612+0000	-0019800024040240075R										

(11)
Arrival Name
WAPPL RNAV

(12)
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ONE

(13)
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WAPPL.WAPPL1

(14)
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(15)
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG (TRUE)	DISTANCE	ALTITUDE	SPEED
	AEX	AEX	010		IF		FB					
	AEX	BRWCK	020		TF		FB	1.0			AA FL240	
	AEX	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	PLANB	PLANB	010		IF		FB					
	PLANB	ZEBBB	020		TF		FB	1.0				
	PLANB	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
	SWB	SWB	010		IF		FB					
	SWB	JMIKE	020		TF		FB	1.0			AA FL240	
	SWB	ZEBBB	030		TF		FB	1.0				
	SWB	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
	ZEBBB	ZEBBB	010		IF		FB					
	ZEBBB	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
	ALL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
	ALL	WLMOR	020		TF		FB	1.0			AB FL210	
	ALL	HUDZY	030		TF		FB	1.0				
	ALL	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
	ALL	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
	ALL	PUSHN	060		TF		FB	1.0			AA 08000	
	ALL	BUGZY	070		TF		FB	1.0			AB 10000	
	ALL	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
	ALL	RTWNG	090		FM		FB		174.8 ()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
	AEX	N311524.22	W0923003.51	N3115.404	W09230.059
	SWB	N315823.50	W0924037.52	N3158.392	W09240.625
	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

(11)
Arrival Name
WAPPL RNAV

(12)
Number
ONE

(13)
STAR Computer Code
WAPPL.WAPPL1

(14)
Superseded Nr.
NONE

(15)
Dated

(16)
Effective Date
29 MAY 2014

**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

RW05	N294000.36	W0950403.90	N2940.006	W09504.065
RW12	N294020.07	W0950408.82	N2940.335	W09504.147
RW23	N294018.90	W0950337.36	N2940.315	W09503.623
RW30	N293959.19	W0950336.12	N2939.987	W09503.602

RUNWAY DATA

RWY	THRESHOLD ELEVATION	TCH
RW05	00023	50
RW12	00025	45
RW23	00024	50
RW30	00024	40

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STAR (Data Record)

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**

STAR (Data Record)

SUSAP	KTMEK4EWAPPL14ZEBBB	010ZEBBBK4EA0E	IF				18000
SUSAP	KTMEK4EWAPPL14ZEBBB	020WAPPLK4EA0EE	H 010TF		B FL270FL220		280
SUSAP	KTMEK4EWAPPL15ALL	010WAPPLK4EA0E	H IF		B FL270FL22018000280		
SUSAP	KTMEK4EWAPPL15ALL	020WLMORK4EA0E	010TF		- FL210		
SUSAP	KTMEK4EWAPPL15ALL	030HUDZYK4EA0E	010TF				
SUSAP	KTMEK4EWAPPL15ALL	040CLWSNK4EA0E	010TF		B 1400012000		280
SUSAP	KTMEK4EWAPPL15ALL	050SWWAAK4EA0E	010TF		B 1200010000		250
SUSAP	KTMEK4EWAPPL15ALL	060PUSHNK4EA0E	010TF		+ 08000		
SUSAP	KTMEK4EWAPPL15ALL	070BUGZYK4EA0E	010TF		- 10000		
SUSAP	KTMEK4EWAPPL15ALL	080RTWNGK4EA0EY	010TF		07000		210
SUSAP	KTMEK4EWAPPL15ALL	090RTWNGK4EA0EE	FM AEX K4	233217141748	D		

[illegible]

(11) Arrival Name WAPPL RNAV	(12) Number ONE	(13) STAR Computer Code WAPPL.WAPPL1	(14) Superseded Nr. NONE	(15) Dated	(16) Effective Date 29 MAY 2014
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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

ARINC SUMMARY - 424-18 - STAR

ROUTES	TRANSITION	FIX	SEQ	USE	PATH	TURN	FO/FB	RNP	MAG(TRUE)	DISTANCE	ALTITUDE	SPEED
AEX	AEX	AEX	010		IF		FB					
AEX	BRWCK	BRWCK	020		TF		FB	1.0			AA FL240	
AEX	WAPPL	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
PLANB	PLANB	PLANB	010		IF		FB					
PLANB	ZEBBB	ZEBBB	020		TF		FB	1.0				
PLANB	WAPPL	WAPPL	030		TF		FB	1.0			BT FL270FL220	AT 280
SWB	SWB	SWB	010		IF		FB					
SWB	JMIKE	JMIKE	020		TF		FB	1.0			AA FL240	
SWB	ZEBBB	ZEBBB	030		TF		FB	1.0				
SWB	WAPPL	WAPPL	040		TF		FB	1.0			BT FL270FL220	AT 280
ZEBBB	ZEBBB	ZEBBB	010		IF		FB					
ZEBBB	WAPPL	WAPPL	020		TF		FB	1.0			BT FL270FL220	AT 280
ALL	WAPPL	WAPPL	010		IF		FB				BT FL270FL220	AT 280
ALL	WLMOR	WLMOR	020		TF		FB	1.0			AB FL210	
ALL	HUDZY	HUDZY	030		TF		FB	1.0				
ALL	CLWSN	CLWSN	040		TF		FB	1.0			BT 1400012000	AT 280
ALL	SWWAA	SWWAA	050		TF		FB	1.0			BT 1200010000	AT 250
ALL	PUSHN	PUSHN	060		TF		FB	1.0			AA 08000	
ALL	BUGZY	BUGZY	070		TF		FB	1.0			AB 10000	
ALL	RTWNG	RTWNG	080		TF		FO	1.0			AT 07000	AT 210
ALL	RTWNG	RTWNG	090		FM		FB		174.8()			

POINT DATA	WAYPOINT	LAT IN SECS	LONG IN SECS	LAT IN MINS	LONG IN MINS
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	BRWCK	N303513.63	W0934221.71	N3035.227	W09342.362
	BUGZY	N294544.12	W0951352.56	N2945.735	W09513.876
	CLWSN	N300425.38	W0945507.82	N3004.423	W09455.130
	HUDZY	N300612.81	W0944831.66	N3006.214	W09448.528
	JMIKE	N304700.00	W0934856.45	N3047.000	W09348.941
	PLANB	N313559.26	W0934351.54	N3135.988	W09343.859
	PUSHN	N295137.79	W0951201.76	N2951.630	W09512.029
	RTWNG	N293806.48	W0951332.39	N2938.108	W09513.540
	SWWAA	N300031.45	W0950925.36	N3000.524	W09509.423
	WAPPL	N301354.84	W0941950.33	N3013.914	W09419.839
	WLMOR	N300910.71	W0943730.73	N3009.179	W09437.512
	ZEBBB	N303717.21	W0935800.95	N3037.287	W09358.016

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**US Department of Transportation
Federal Aviation Administration**
STAR (Data Record)

	RW18	N294850.85	W0955352.86	N2948.848	W09553.881
	RW36	N294745.40	W0955351.88	N2947.757	W09553.865
RUNWAY DATA					
	RWY	THRESHOLD ELEVATION	TCH		
	RW18	00166	40		
	RW36	00163	40		

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(14)
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(16)
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